

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	128500	(@AD<"20030731" or @RLAD<"20030731") and "terminal" adj (equipment or apparatus or device or element or unit)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/13 10:50
L2	12068	L1 and (replac\$3 or switch\$3 or (fail adj over)) with (redundant or second or spared or secondary or standby)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/13 11:26
L3	378	2 and (transmi\$5 or send\$3 or deliver\$3) adj10 (state or status or condition or indicat\$3) adj10 (processor or controller or server or monitor or manager)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/13 10:54
L4	19	3 and fault adj toleran\$2	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/13 11:07
L5	6	2 and "terminal" adj (equipment or apparatus or device or element or unit) adj10 (transmi\$5 or send\$3 or deliver\$3) adj10 (state or status or condition or indicat\$3) adj10 (processor or controller or server or monitor or manager)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/13 11:26
L6	0	2 and "terminal" adj (equipment or apparatus or device or element or unit) adj10 (broadcast\$3 or distribut\$3) adj10 (state or status or condition or indicat\$3) adj10 (processor or controller or server or monitor or manager)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/13 10:56
L7	0	(@AD<"20030731" or @RLAD<"20030731") and (terminal or device or apparatus or equipment) near10 (receiv\$3 or collect\$3 or gather\$3 or send\$3 or transmit\$4 or broadcast\$3 or distribut\$3)) adj5 (state or status or indicat\$3 or condition or health or error or fault or health) adj10 (server or controller or manager or process\$3 or monitor) and (multiple or plurality or second or both or all) adj5 ((terminal or device or apparatus or equipment) and (server or controller or manager or process\$3 or monitor))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/13 11:32

## EAST Search History

L8	0	(@AD<"20030731" or @RLAD<"20030731") and (terminal or device or apparatus or equipment) near10 (receiv\$3 or collect\$3 or gather\$3 or send\$3 or transmit\$4 or broadcast\$3 or distribut\$3)) adj5 (state or status or indicat\$3 or condition or health or error or fault or health or heartbeat or heart adj beat) adj10 (server or controller or manager or process\$3 or monitor) and (multiple or plurality or second or both or all) adj5 ((terminal or device or apparatus or equipment) and (server or controller or manager or process\$3 or monitor))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/13 11:33
L9	5094	(@AD<"20030731" or @RLAD<"20030731") and (terminal or device or apparatus or equipment) near10 (receiv\$3 or collect\$3 or gather\$3 or send\$3 or transmit\$4 or broadcast\$3 or distribut\$3 ) adj5 (state or status or indicat\$3 or condition or health or error or fault or health or heartbeat or heart adj beat) adj10 (server or controller or manager or process\$3 or monitor)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/13 13:04
L10	2	9 and ("all" or "both") adj5 (terminal or device or apparatus or equipment) near10 (receiv\$3 or collect\$3 or gather\$3 or send\$3 or transmit\$4 or broadcast\$3 or distribut\$3 ) adj5 (state or status or indicat\$3 or condition or health or error or fault or health or heartbeat or heart adj beat) adj10 (server or controller or manager or process\$3 or monitor)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/13 11:35
L11	3	9 and ("all" or "both" or "each" or "every") adj5 (terminal or device or apparatus or equipment) near10 (receiv\$3 or collect\$3 or gather\$3 or send\$3 or transmit\$4 or broadcast\$3 or distribut\$3 ) adj5 (state or status or indicat\$3 or condition or health or error or fault or health or heartbeat or heart adj beat) adj10 (server or controller or manager or process\$3 or monitor)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/13 12:06
L12	127	9 and (duplicat\$3 or redundant or backup or standby) adj5 ((terminal or device or apparatus or equipment) and (server or controller or manager or process\$3 or monitor))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/13 12:09

## EAST Search History

L13	1	11 and 12	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/13 12:08
L14	24	9 and (duplicat\$3 or redundant or backup or standby) adj ((terminal or device or apparatus or equipment) and (server or controller or manager or process\$3 or monitor))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/13 12:57
L15	0	9 and fault adj toleran\$2 and (duplicat\$3 or redundant or standby) adj3 (payload or bearer) adj2 processor	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/13 12:58
L16	0	9 and fault adj toleran\$2 and (duplicat\$3 or redundant or standby) adj3 (payload or bearer) adj3 (server or processor or monitor or controller or manager)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/13 12:59
L17	0	fault adj toleran\$2 and (duplicat\$3 or redundant or standby) adj3 (payload or bearer) adj3 (server or processor or monitor or controller or manager)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/13 13:03
L18	2	(duplicat\$3 or redundant or standby) adj3 (payload or bearer) adj3 (server or processor or monitor or controller or manager)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/13 13:02
L19	38	(second or secondary or multiple or plurality) adj3 (payload or bearer) adj3 (server or processor or monitor or controller or manager)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/13 13:38
L20	0	fault adj toleran\$2 and 19	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/13 13:08
L21	0	9 and 19	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/13 13:04
L22	29	(@AD<"20030731" or @RLAD<"20030731") and 19	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/13 13:08

## EAST Search History

L23	5	22 and "mobile switching center"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/13 13:05
L24	4	(switchover or switch\$3 adj over or failover or fail adj over) and 19	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/13 13:10
L25	2	(switchover or switch\$3 adj over or failover or fail adj over) and 22	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/13 13:10
L26	10	(@AD<"20030731" or @RLAD<"20030731") and (second or secondary or multiple or plurality) adj3 (payload or bearer) adj3 (generator)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/13 13:38
L27	20	(@AD<"20030731" or @RLAD<"20030731") and (second or secondary or multiple or plurality or redundant or standby or backup) adj3 (payload or bearer) adj3 (generator or processor)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/13 13:40
L28	5	27 not 22	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/13 13:39
L29	20	(@AD<"20030731" or @RLAD<"20030731") and (second or secondary or multiple or plurality or redundant or standby or backup or duplicat\$3 or replicat\$3) adj3 (payload or bearer) adj3 (generator or processor)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/13 13:41
S1	901	(@AD<"20030731" or @RLAD<"20030731") and "line terminal equipment"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/12 11:59
S2	12589	(@AD<"20030731" or @RLAD<"20030731") and "mobile switching center"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/12 14:23

## EAST Search History

S3	535	(@AD<"20030731" or @RLAD<"20030731") and (SONET or SDH or SONET/SDH) adj interface	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/12 07:39
S4	45	(@AD<"20030731" or @RLAD<"20030731") and OC3 adj link	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/12 11:58
S5	5	S2 and (payload adj processor)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/12 10:42
S6	3	S1 and S5	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/12 08:15
S8	1527	(@AD<"20030731" or @RLAD<"20030731") and "line terminal" adj (equipment or apparatus or device or element or unit)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/12 11:57
S9	3	(S2 and S8) and (payload adj processor)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/12 11:56
S10	3	((("5073774") or ("6219336") or ("6359858")).PN.	US-PGPUB; USPAT	OR	OFF	2007/07/12 11:05
S11	8	(S2 and S8)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/12 11:53
S12	3	S8 and (payload adj processor)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/12 11:56
S13	3	S8 and (payload near3 processor)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/12 12:08

## EAST Search History

S14	128500	(@AD<"20030731" or @RLAD<"20030731") and "terminal" adj (equipment or apparatus or device or element or unit)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/13 00:33
S15	6	S14 and OC3 adj link	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/12 11:58
S16	3	(@AD<"20030731" or @RLAD<"20030731") and "line terminal" adj (device or apparatus or equipment) and (redundan\$2 or protect\$3 or toleran\$2) near10 switch\$3 and (bearer or payload) adj3 (processor or control\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/12 12:04
S17	15	("3305791"   "3451042"   "4030069"   "4365247"   "4835773"   "4939736"). PN. OR ("5073774").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/12 12:03
S18	11	(@AD<"20030731" or @RLAD<"20030731") and S17	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/12 12:07
S19	9	("5216666"   "5546403"   "5757806"   "6049525").PN. OR ("6219336").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/12 12:05
S20	37	("5229990"   "5420858"   "5671213"   "5740157"   "5781527"   "5848227"   "5884046"   "6144633"   "6188667"). PN. OR ("6359858").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/12 12:05
S21	20	("5073774"   "5484571"   "5485571"   "5839064"   "5859895"   "6038456"   "6219336"   "6317426"   "6330168"   "6353593"   "6359565"   "6359858"   "6477167"   "6498792"   "6501758"   "6567401"   "6590864"   "6870860"   "6891836"   "7027390").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/12 12:06
S22	73	(S18 or S19 or S20 or S21 or S10)	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/12 12:07
S23	73	(@AD<"20030731" or @RLAD<"20030731") and S22	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/12 12:08

## EAST Search History

S24	72	(@AD<"20030731" ) and S22	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/12 12:08
S25	3	S23 and (bearer or payload) adj3 (process\$3 or control\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/13 00:37
S26	3	S23 and "mobile switching center"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/13 13:05
S27	128500	(@AD<"20030731" or @RLAD<"20030731") and "terminal" adj (equipment or apparatus or device or element or unit)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/13 01:03
S28	24	S27 and automatic\$4 with switch\$3 adj over with (fault or faulty or error or fail\$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/13 10:48
S29	9	S28 and (bearer or payload) adj3 (process\$3 or control\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/13 00:37
S30	35	S27 and automatic\$4 with (fail or switch\$3) adj over with (fault or faulty or error or fail\$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/13 01:02
S31	0	S30 and ((collect\$3 or gather\$3) and (broadcast or distribut\$3)) adj5 (state or status or indicat\$3 or condition)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/13 01:04
S32	45	(@AD<"20030731" or @RLAD<"20030731") and "terminal" adj (equipment or apparatus or device or element or unit) and (bearer or payload) adj process\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/13 01:03
S33	0	S32 and ((collect\$3 or gather\$3) and (broadcast or distribut\$3)) adj5 (state or status or indicat\$3 or condition)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/13 01:04

## EAST Search History

S34	2	S32 and ((collect\$3 or gather\$3) and (broadcast or distribut\$3)) adj5 (state or status or indicat\$3 or condition or health or error or fault)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/13 01:07
S35	11	S32 and (send\$3 or transmit\$4 or broadcast\$3 or distribut\$3) adj5 (state or status or indicat\$3 or condition or health or error or fault)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/13 01:08



## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L2	89	(@AD<"20030731" or @RLAD<"20030731") and fault adj toleran\$2 and duplicat\$3 near10 ((processing or processor) and (terminal or end-unit or device))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/13 18:36
L3	45	2 and multiplex\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/13 18:37
L4	81	(@AD<"20030731" or @RLAD<"20030731") and fault adj toleran\$2 and triple adj redundancy	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/13 18:36
L5	24	4 and multiplex\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/13 19:04